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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,981	02/18/2005	Paul Van Der Sluis	NL03 0866 US	3943
41,750	90 02/08/2007 RONICS NORTH AME	EXAMINER		
INTELLECTUAL PROPERTY & STANDARDS 1109 MCKAY DRIVE, M/S-41SJ SAN JOSE, CA 95131			BUDD, PAUL A	
			ART UNIT	PAPER NUMBER
			2815	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
21 DAVS 02/08/2007 P		PAF	DEB	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
•	10/524,981	VAN DER SLUIS ET AL.			
Office Action Summary	Examiner	Art Unit			
	Paul A. Budd	2815			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATI 36(a). In no event, however, may a reply be vill apply and will expire SIX (6) MONTHS fr. cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 18 Fe 2a)□ This action is FINAL. 2b)□ This 3)□ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters,				
Disposition of Claims					
4) ⊠ Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-24 are subject to restriction and/or expressions.	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Sion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summ Paper No(s)/Mai 5) Notice of Inform 6) Other:	l Date			

Application/Control Number: 10/524,981

Art Unit: 2815

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-15, and 24 drawn to a semiconductor ferroelectric device an a method of operating a semiconductor ferroelectric device.

Group II, claim(s) **16-23**, drawn to a method of making a semiconductor ferroelectric device.

- 2. The inventions listed as Groups I, II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The common technical feature in both groups is the ferroelectric structure recited in claim 1 and formed in claim 16. This element cannot be a special technical feature because the structure is shown in the prior art as follows:
- 3. Claims **1-15** lacks an inventive step under PCT Article 33(3) as being obvious over Blom (EP 0 0660 412 A1) in view of Kawai Tomoji (JP.11-286772). Blom teaches the switching element comprising a substrate [15], and a dielectric layer [3], provided with a conductor [2], on a side facing away from the substrate, ...,characterized in that a

Application/Control Number: 10/524,981

Art Unit: 2815

conductive layer [1], is situated between the substrate and the ferroelectric layer [3], which layer forms a further connection conductor [1], of the ferroelectric layer [3], and the active element [1,2,3], is formed as the result of the fact that the ferroelectric layer forms a Schottky junction [page 1], with at least one of the connection conductors [1,2]. Kawai Tomoji teaches the use of oxygen free ferroelectric material [Technical Problem section, and Means section].

- 4. Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process In the instant case, a materially different process can make the device. For example, a process in which the substrate is applied to the structure as the final step.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Art Unit: 2815

7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Budd whose telephone number is 571-272-1664. The examiner can normally be reached on Monday to Friday 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PAB